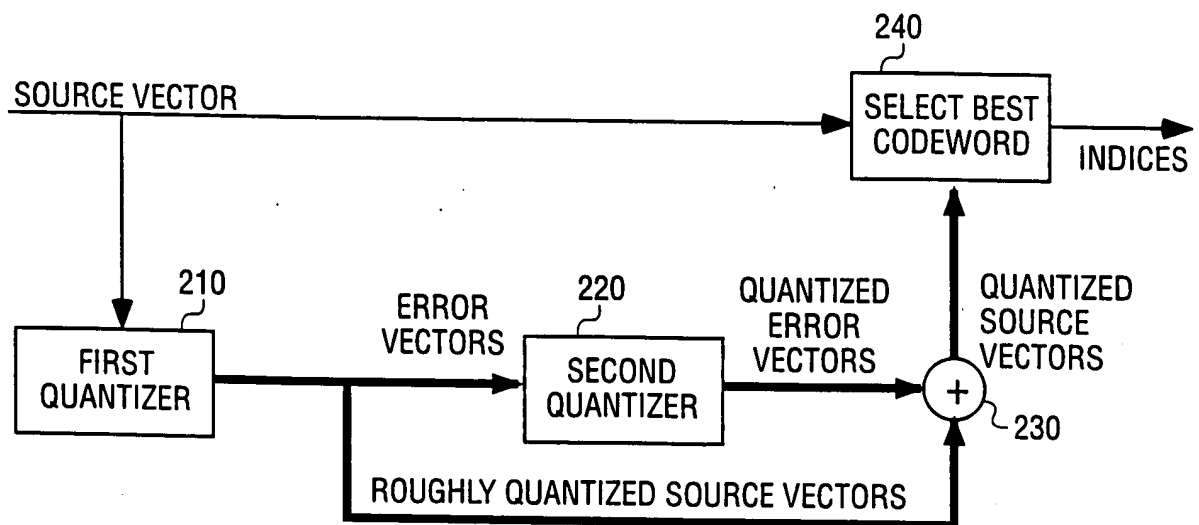


**FIG. 1**  
**(PRIOR ART)**



**FIG. 2**  
**(PRIOR ART)**

300

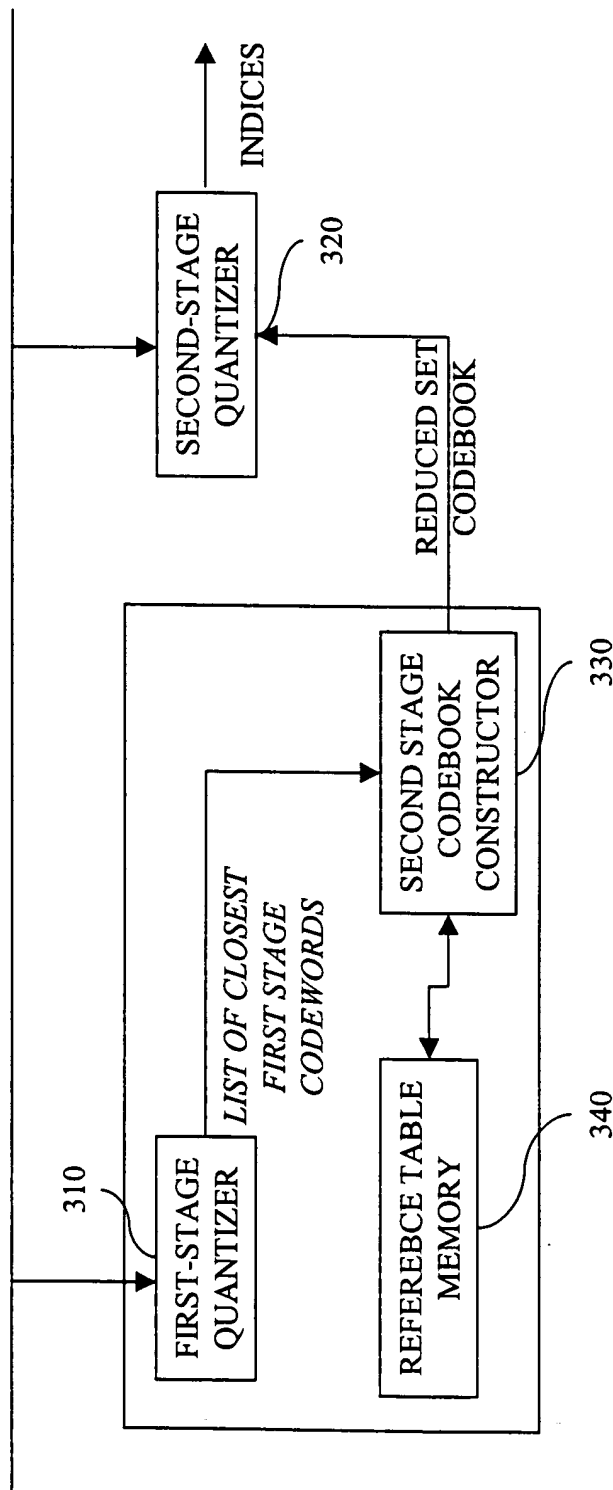


Fig. 3

FIG. 4 is a block diagram of a quantization system. The system includes a quantizer 405 and a non-structured codebook 402. The quantizer 405 is connected to the non-structured codebook 402 via a reduced set codebook. The quantizer 405 is also connected to a source 401. The non-structured codebook 402 is connected to the quantizer 405 via a reduced set codebook. The quantizer 405 is also connected to a source 401. The non-structured codebook 402 is connected to the quantizer 405 via a reduced set codebook.

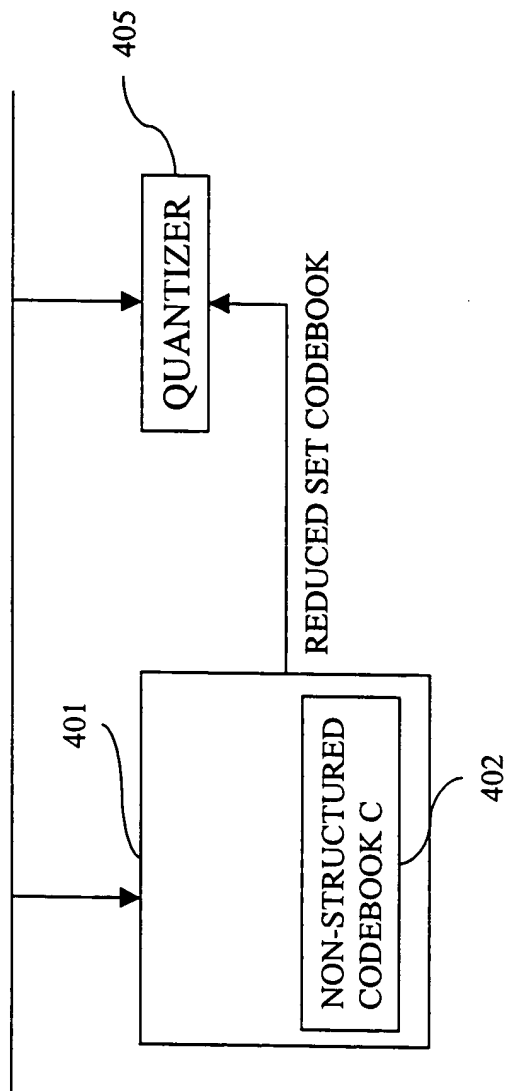


Fig. 4



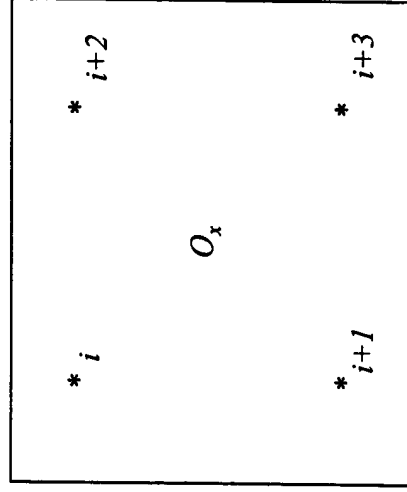


Fig. 5C

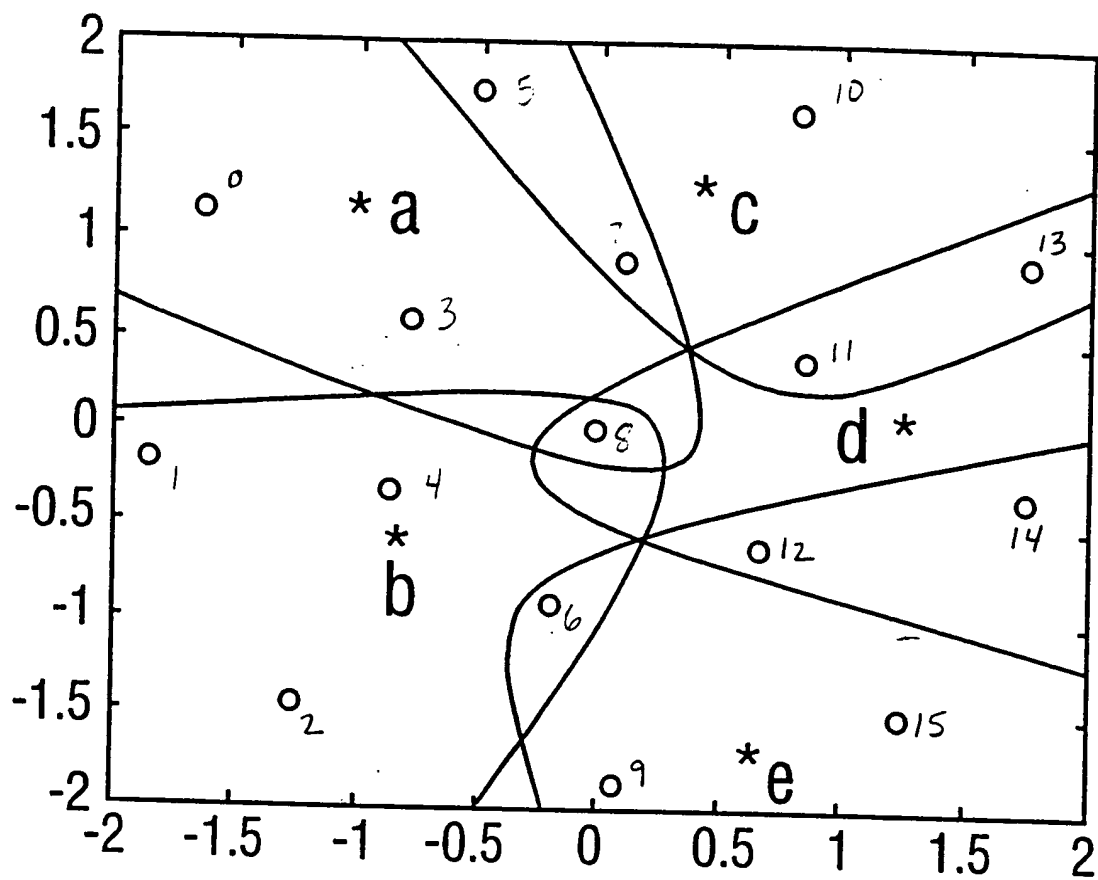


Fig. 6

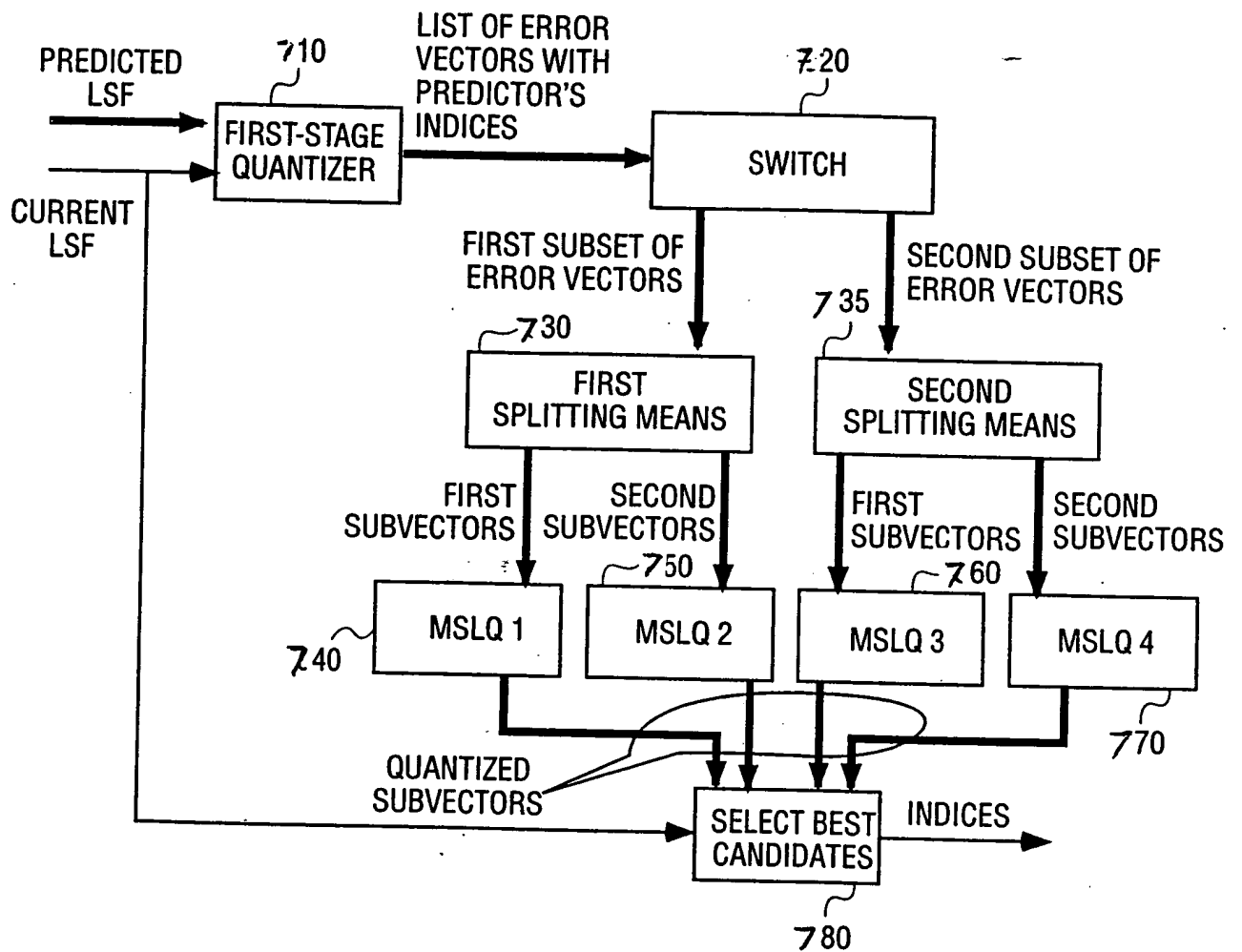
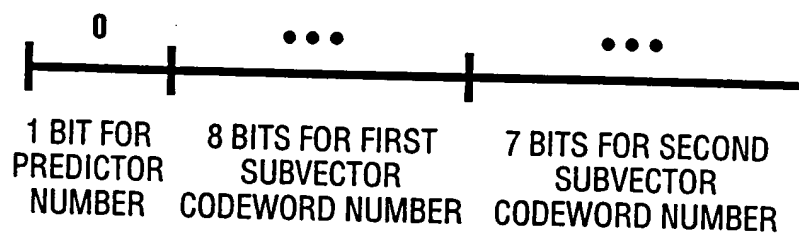


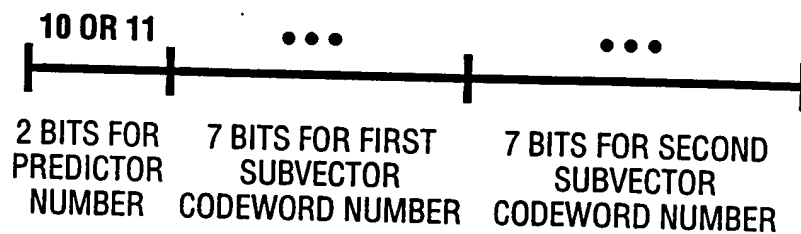
Fig. 7

**EXAMPLE OF BIT ALLOCATION FOR 16 BITS PER LSF VECTOR CODING,  $N=3$ ,  $M_1=256$ ,  $M_2=M_3$ ,  $M_4=128$ .**

**A) IF FIRST PREDICTOR IS THE BEST:**



**B) IF 2D OR 3D PREDICTOR IS THE BEST:**



**Fig. 8**